

## SECTION 10210

### METAL LOUVERS

#### PART 1 GENERAL

##### 1.1 SUMMARY

- A. Scope
  - 1. Furnish and install all metal louvers in exterior walls, complete with accessories and incidental work, as shown and specified.
- B. Related Work Specified In Other Sections
  - 1. Metal Siding and Trim Around Louvers In Metal Siding - DIVISION 7.
  - 2. Sealant Around Louver Perimeters - DIVISION 7.
  - 3. Ducts, Filters, and Dampers Behind Louvers - DIVISION 15.

##### 1.2 SUBMITTALS

- A. Furnish submittals for items that are identified in this SECTION by a different typeface and a bracketed code (e.g., *Item [L]*). Refer to Division 1, General Requirements for definition of codes for types of submittals and the administrative requirements governing submittal procedure. Additional submittal requirements pertaining to this SECTION are specified herein under this Article.
- B. Submit manufacturer's product data only for proposed substitute louver units that are not specified.
- C. Submit color samples only of proposed substitute louver colors that are not specified.

#### PART 2 PRODUCTS

##### 2.1 MANUFACTURER AND TYPE

- A. Drainable-Blade Mullion-Type Louvers
  - 1. Drainable-Blade Mullion-Type Louvers: Mullion-type, of welded extruded aluminum with 40-degree angle horizontal drainable-type blades spaced 4 inches on center, and with perimeter frame of profile shown. Provide units having 50 percent minimum free area.
  - 2. Provide four inch deep louver units:
    - a. The Airolite Co. "K6774".
    - b. Airline Products Co. "LSX4D45".
    - c. Arrow United Industries "E-445".
    - d. Construction Specialties, Inc. "A4097".
    - e. Industrial Louvers Inc., "408".
    - f. Ruskin "ELF375DX".

- B. Accessories
  - 1. Bird Screens: Provide bird screens on interior side of all louver units.
  - 2. Insect Screens: Provide insect screens on interior side of louver units where noted.
  - 3. Blank-Off Panels: Provide panels on interior side of louver units over un-used areas, where noted.

## 2.2 FABRICATION

- A. Extruded Aluminum Louver Units: Fabricate units of 6063-T5 extruded aluminum, minimum .081 inch thick, of welded construction.
- B. Bird Screens: Provide 1/2 inch square mesh of .063 inch diameter aluminum wire, mounted in a folded aluminum frame.
- C. Insect Screens: Provide 18 x 14 mesh aluminum insect screening mounted in a folded aluminum frame.
- D. Blank-Off Panels: Fabricate of 2 inch thick urethane insulation core, with .032 inch thick aluminum face sheet each side, and .080 inch extruded aluminum frame.

## 2.3 FINISH

- A. Louver Finish: Manufacturer's standard baked-on factory-applied 70 percent Kynar 500 or Hylar 5000 resin paint finish, minimum 1.0 mil thick (0.2 mil primer and 0.8 mil finish), in standard color to match color of metal siding panels unless scheduled otherwise.
  - 1. Also apply on blank-off panels, in standard color as selected.

## PART 3 EXECUTION

### 3.1 INSTALLATION

- A. Provide all necessary screws, bolts, nuts and other fasteners as required for a complete installation and install louver units in accordance with manufacturer's instructions and approved shop drawings.
- B. Repair all damage to louvers or replace, and thoroughly clean of all dirt, grease, and other foreign matter.
- C. Paint surfaces of steel in contact with aluminum, one coat of aluminum paint. Allow to dry thoroughly before installing aluminum louvers.
- D. Mount bird screen behind interior face of louvers as detailed.
- E. Mount insect screens behind interior face of louvers as detailed.
- F. Install blank-off panels on interior face of louver units at all un-used (inactive) louver areas.

G. Ducts, filters, and dampers behind louver units are by mechanical trades.

END OF SECTION

Revision History	
Date	Rev. No.
A	0
B	0
C	0
D	0
E	0
F	0
02-19-09	0

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